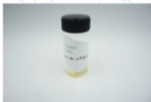


HHCM-093021

 Sample ID: SA-10052021-4661
 Batch:
 Type: In-Process Materials
 Matrix Concentrate - Distillate

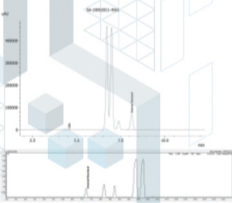
 Received: 10/05/2021
 Completed: 10/27/2021

Summary

Test	Date Tested	Status
Cannabinoids	10/19/2021	Tested
Cannabinoids (Additional)	10/19/2021	Tested
Heavy Metals	10/27/2021	Tested
Pesticides	10/15/2021	Tested
Residual Solvents	10/15/2021	Tested

Cannabinoids by HPLC-PDA and GC-MS/MS

ND	0.301 %	0.301 %	Not Tested	Not Tested	Yes
Total Δ^9 -THC	CBN	Total Cannabinoids	Moisture Content	Foreign Matter	Internal Marker Recovered

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
CBZ	0.0036	0.0094	ND	ND
CBCA	0.0081	0.0545	ND	ND
CBCV	0.006	0.008	ND	ND
CBZD	0.0088	0.0242	ND	ND
CBDA	0.0045	0.015	ND	ND
CBZV	0.0061	0.0082	ND	ND
CBVA	0.0021	0.0065	ND	ND
CBG	0.0057	0.0122	ND	ND
CBGA	0.0049	0.0147	ND	ND
CBL	0.002	0.0036	ND	ND
CBLA	0.0024	0.0071	ND	ND
CBN	0.0056	0.0099	0.301	1.01
CBNA	0.006	0.008	ND	ND
Δ^8 -THC	0.004	0.012	ND	ND
Δ^8 -THC	0.0076	0.0227	ND	ND
Δ^9 -THCA	0.0084	0.0251	ND	ND
Δ^9 -THCV	0.0069	0.0206	ND	ND
Δ^9 -THCVA	0.0062	0.0086	ND	ND
Total Δ^9-THC			ND	ND
Total CBD			ND	ND
Total			0.301	1.01


 ND = Not Detected, NI = Not Tested, LOD = Limit of Detection, LOQ = Limit of Quantitation, R = Reporting Limit, A = Delta, Total Δ^9 -THC = Δ^8 -THCA * 0.877 + Δ^9 -THC, Total CBD = CBDA * 0.877 + CBZ


10/27/2021



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 Batch:
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 Matrix: Concentrate - Distillate

 Received: 10/05/2021
 Completed: 10/27/2021

Cannabinoids by HPLC-PDA, LC-MS/MS, and/or GC-MS/MS

Analyte	LOD (%)	LOQ (%)	Result (%)	Result (mg/g)
(R)-HHC			47.5	476.0
(S)-HHC			53.2	532.0



ND - Not Detected, NT - Not Tested, LOD - Limit of Detection, LOQ - Limit of Quantitation, RL - Reporting Limit, S - Delta, Total TH-C11C - (R)-TH-C11C + (S)-TH-C11C, Total CBD - CBDA + (R)-TH-C11C



microgram



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 Sample ID: SA-10052021-4561
 Batch:
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 Received: 10/05/2021
 Completed: 10/27/2021

Heavy Metals by ICP-MS

Analyte	LOD [ppb]	LOQ [ppb]	Result [ppb]
Arsenic	2	20	ND
Cadmium	1	20	ND
Lead	2	20	ND
Mercury	12	50	ND

ND - Not Detected; NT - Not Tested; LOD - Limit of Detection; LOQ - Limit of Quantitation; P - Pass; F - Fail; RL - Reporting Limit



10/27/2021



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 Sample ID: SA-10057071-4561
 Batch:
 Type: In-Process Materials
 Matrix: Concentrate - Distillate

 Received: 10/05/2021
 Completed: 10/27/2021

Pesticides by LC-MS/MS and GC-MS/MS

Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)	Analyte	LOD (ppb)	LOQ (ppb)	Result (ppb)
Abamectin	30	100	ND	Hexythiazox	30	100	ND
Acetamiprid	30	100	ND	Imazalil	30	100	ND
Aldicarb	30	100	ND	Imidacloprid	30	100	ND
Azoxystrobin	30	100	ND	Kresoxim methyl	30	100	ND
Bifenazate	30	100	ND	Malathion	30	100	ND
Bifenthrin	30	100	ND	Metaxyl	30	100	ND
Boscalid	30	100	ND	Methiocarb	30	100	ND
Carbaryl	30	100	ND	Methomyl	30	100	ND
Carbofuran	30	100	ND	Mevinphos	30	100	ND
Chlorantraniliprole	30	100	ND	Myclobutanil	30	100	ND
Chlorfenapyr	30	100	ND	Naled	30	100	ND
Chlorpyrifos	30	100	ND	Oxaryl	30	100	ND
Clofentezine	30	100	ND	Paclobutrazol	30	100	ND
Coumaphos	30	100	ND	Permethrin	30	100	ND
Daminozide	30	100	ND	Phosmet	30	100	ND
Diazinon	30	100	ND	Piperonyl Butoxide	30	100	ND
Dichlorvos	30	100	ND	Prallethrin	30	100	ND
Dimethoate	30	100	ND	Propiconazole	30	100	ND
Dimethomorph	30	100	ND	Propoxur	30	100	ND
Ethoprophos	30	100	ND	Pyrethrins	30	100	ND
Etofenprox	30	100	ND	Pyridaben	30	100	ND
Etoxazole	30	100	ND	Spinetoram	30	100	ND
Fenhexamid	30	100	ND	Spinosad	30	100	ND
Fenoxycarb	30	100	ND	Spiromesifen	30	100	ND
Fenpyroximate	30	100	ND	Spirotetramat	30	100	ND
Flonicamid	30	100	ND	Spiroxamine	30	100	ND
				Tebuconazole	30	100	ND
				Thiacloprid	30	100	ND
				Thiamethoxam	30	100	ND
				Trifloxystrobin	30	100	ND

ND = Not Detected; NT = Not Tested; LOD = Limit of Detection; LOQ = Limit of Quantitation; P = Pass; F = Fail; RL = Reporting Limit



10/27/2021



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 Sample ID: SA-10052021-4561
 Batch:
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Residual Solvents by HS-GC-MS/MS

Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)	Analyte	LOD (ppm)	LOQ (ppm)	Result (ppm)
Acetone	167	500	ND	Ethylene Oxide	0.5	1	ND
Acetonitrile	16	41	ND	Heptane	167	500	ND
Benzene	0.5	1	ND	n-Hexane	10	29	ND
Butane	167	500	ND	Isobutane	167	500	ND
1-Butanol	167	500	ND	Isopropyl Acetate	167	500	ND
2-Butanol	167	500	ND	Isopropyl Alcohol	167	500	ND
2-Butanone	167	500	ND	Isopropylbenzene	167	500	ND
Chloroform	7	6	ND	Methanol	100	300	ND
Cyclohexane	130	388	ND	2-Methylbutane	167	500	ND
1,2-Dichloroethane	0.5	1	ND	Methylene Chloride	20	60	ND
1,2-Dimethoxyethane	4	10	ND	2-Methylpentane	10	29	ND
Dimethyl Sulfoxide	167	500	ND	3-Methylpentane	10	29	ND
N,N-Dimethylacetamide	57	109	ND	n-Pentane	167	500	ND
2,2-Dimethylbutane	10	29	ND	1-Pentanol	167	500	ND
N,N-Dimethylformamide	30	88	ND	n-Propane	167	500	ND
2,2-Dimethylpropane	167	500	ND	1-Propanol	167	500	ND
1,4-Dioxane	13	38	ND	Pyridine	7	20	ND
Ethanol	167	500	ND	Tetrahydrofuran	26	72	ND
2-Ethoxyethanol	6	16	ND	Toluene	30	89	ND
Ethyl Acetate	167	500	ND	Trichloroethylene	3	8	ND
Ethyl Ether	167	500	ND	Tetramethylene Sulfone	6	16	ND
Ethylbenzene	3	7	ND	Xylenes (o-, m-, and p-)	73	217	ND
Ethylene Glycol	21	62	ND				

ND = Not Detected, NT = Not Tested, LOD = Limit of Detection, LOQ = Limit of Quantitation, P = Pass, F = Fail, RL = Reporting Limit



10/27/2021



HHCM-093021

 Sample ID: SA-10052021-4561
 Batch:
 Type: In-Process Materials
 Matrix: Concentrate - Distillate

 Received: 10/05/2021
 Completed: 10/27/2021

Reporting Limit Appendix
Heavy Metals -

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Arsenic	200	Lead	500
Cadmium	200	Mercury	300

Residual Solvents - USP 407

Analyte	Limit (ppm)	Analyte	Limit (ppm)
Acetone	5000	ethylene oxide	1
Acetonitrile	40	Heptane	5000
Benzene	2	n-Hexane	290
Butane	5000	Isobutane	5000
1-butanol	5000	Isopropyl Acetate	5000
2-butanol	5000	Isopropyl Alcohol	5000
2-butanone	5000	Isopropylbenzene	5000
Chloroform	60	Methanol	3000
Cyclohexane	3800	2-Methylbutane	5000
1,2-Dichloroethane	5	Methylene Chloride	600
1,2-Dimethoxyethane	300	2-Methylpentane	290
Dimethyl sulfoxide	5000	3-Methylpentane	290
NN-Dimethylacetamide	3390	n-Paraffins	5000
2,2-Dimethylbutane	290	1-Paraffinol	5000
NN-Dimethylformamide	880	n-Paraffins	5000
2,2-Dimethylpropane	5000	1-Propanol	5000
1,4-Dioxane	380	pyridine	200
ethanol	5000	tetrahydrofuran	750
2-ethoxyethanol	300	toluene	890
ethyl acetate	5000	Trichloromethylene	80
ethyl ether	5000	tetramethylene sulfone	300
ethylbenzene	70	Xylene (o-, m-, and p-)	2790
ethylene Glycol	620		

Pesticides - ca 002

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Chlorantraniliprole	40000	Myclobutanil	9000
Chlorfenapyr	30	Naled	500
Chlorpyrifos	30	oxamyl	200
Chlorfenthrin	500	Permethrin	30
Cosmophos	30	Permethrin	20000
Daminozide	30	Phosmet	200
Diazinon	200	Phenylpyrazole	8000
Dichlorvos	30	Phuthrin	400
Dimethoate	30	Propiconazole	20000
Dimethomorph	20000	Propoxur	30
ethiofencarb	30	pymethrin	1000
ethionex	30	Pyridaben	3000
ethionex	3000	spinetoram	3000
Fenhexamid	10000	spinosad	3000
Fenoxycarb	30	spinosulfen	10000
Fenprothion	2000	spinetoram	13000
Flonicamid	2000	spharothrin	30

Pesticides - ca 003

Analyte	Limit (ppb)	Analyte	Limit (ppb)
Abamectin	300	flaythoxam	2000
Acetamiprid	5000	Imazalil	30
Aldicarb	30	imidacloprid	3000
Azoxystrobin	40000	thiazoxim methyl	3000
azoxystrobin	5000	Malathion	5000
azoxystrobin	500	Metazaly	5000
azoxystrobin	10000	Methiocarb	30
Carbaryl	500	Methomyl	300
Carbofuran	30	Mevinphos	30

